

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Behrens et al

Application No.: To Be Assigned

Group Art Unit: To be assigned

Filed: September 9, 2003

Examiner: To be assigned

For: Glucagon Antagonists/Inverse Agonists

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. 1.56, 1.97 and 1.98, Applicants submit herewith references which they believe may be material to the patentability of this application and with respect to which there may be a duty to disclose in accordance with 37 C.F.R. 1.56.

While the references may be "material" under 37 C.F.R. 1.56, it is not intended to constitute an admission that the references are "prior art" unless specifically designated as such.

The filing of this Information Disclosure Statement shall not be construed as a representation that no material references other than those listed exist or that a search has been conducted.

The references are listed in Form PTO-1449 which is in accordance with the requirements of M.P.E.P. 609. **Copies of all references were either submitted to, or cited by, the Patent Office in parent application USSN 09/996,025 filed on November 16, 2001.**

The references are as follows:

1. WO 00/39088


2. WO 94/14426
3. WO 98/04528
4. WO 98/21957
5. WO 98/22108
6. WO 98/22109
7. WO 99/01423
8. WO 97/16442
9. WO 98/24780
10. WO 98/24782
11. WO 99/24404
12. WO 99/32448
13. US 5,880,139
14. US 5,776,954
15. US 4,359,474
16. US 4,374,130
17. US 5,837,719
18. C.L. Brand et al., "Immunoneutralization of endogenous glucagons with monoclonal glucagons antibody normalizes hyperglycaemia in moderately streptozotocin-diabetic rats" *Diabetologia* Vol. 37 pgs. 985-993 (1994)
19. C.L. Brand et al., [535] *Diabetes* 43, [suppl 1], 172A (1994)
20. C. L. Brand et al., *Am. J. Physiol.* 269, E469-E477 (1995)
21. C.L. Brand et al [492] *Diabetes* 44 [suppl 1], 134A (1995)
22. C.L. Brand et al., "Evidence for a Major Role for Glucagon in Regulation of Plasma Glucose in Conscious, Nondiabetic, and Alloxan-Induced Diabetic Rabbits", *Diabetes* Vol. 45., pages. 1076-1083 (1996)
23. L.J.Jelinek et al., "Expression Cloning and Signaling Properties of the Rat Glucagon Receptor" *Science* Vol. 259., pages. 1614-1616 (1993)
24. C.G. Unson et al., "Biological Activities of des-His¹ [Glu⁹]Glucagon Amide, a Glucagon Antagonist¹ " *Peptides*, Vol.10 pages 1171-1177 (1998)
25. Post et al., "Mechanism of action of des-His¹-[Glu⁹]glucagons amide, a peptide antagonist of the glucagons receptor sytem" *Proc. Natl. Acad. Sci* Vol. 90 pages 1662-1666 (1993)
26. Azizeh et al., "[des His¹, des Phe⁶, Glu⁹]GLUCAGON AMIDE: A NEWLY DESIGNED "PURE" GLUCAGON ANTAGONIST", *Bioorganic & Med Chem Ltr*, Vol. 5. No. 16, pages. 1849-1852 (1995)
27. Unson et al., "Multiple-site Replacement Analogs of Glucagon" *The Journal of Biological Chemistry* Vol. 17, Issue of April 29, pages. 12548-12551 (1994)
28. J.L. Collins et al., "CP-99, 711: A NON-PEPTIDE GLUCAGON RECEPTOR ANTAGONIST" *Bioorganic & Med. Chem. Ltr.* Vol. 2, No. 9 pages. 915-918 (1992)
29. P. Madsen et al., "Discovery and Structure-Activity Relationship of the First Non-Peptide Competitive Human Glucagon Receptor Antagonists" *J. Med. Chem* Vol. 41, pages. 5150-5157 (1998)
30. WO 00/69810

It is respectfully requested that these references be considered by the Patent and Trademark Office in its examination of the above-identified application and be made of record therein. The Examiner is also invited to contact the Undersigned if there are any questions concerning this paper or the attached references.

The information disclosure statement submitted herewith is being filed **before** the mailing date of a first Office action on the merits. Therefore, no fee is due.

Respectfully submitted,

Date: September 9, 2003


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PATENT TRADEMARK OFFICE

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Atty. Docket No. 6202.210-US	Serial No. To Be Assigned
		Applicant Behrens et al	
		Filing Date September 9, 2003	Group T be assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,880,139	03/09/99	L.L. Chang	514	326	11/17/97
	5,776,954	07/07/98	de Laszlo et al	514	340	10/30/96
	4,359,474	11/16/82	Anderson et al	424	273	11/28/80
	4,374,130	02/15/83	Barcza	424	184	02/15/83
	5,837,719	11/17/98	de Laszlo et al	514	343	08/08/96

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 00/39088	06/07/00	WIPO				
	WO 94/14426	07/07/94	WIPO				
	WO 98/04528	05/02/98	WIPO				
	WO 98/21957	28/05/98	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	C.L. Brand et al., "Immunoneutralization of endogenous glucagons with Monoclonal glucagons antibody normalizes hyperglycaemia in moderately Streptozotocin-diabetic rats" Diabetologia, Vol. 37 pgs.985-993 (1994)
	C.L. Brand et al [535] Diabetes 43, [suppl 1], 172A (1994)
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	L.J. Jelinek et al., "Expression Cloning and Signaling Properties of the Rat Glucagon Receptor" Science Vol. 259, pgs. 1614-1616 (1993)

EXAMINER	DATE CONSIDERED
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						YES	NO
	WO 98/24782	11/06/98	WIPO				
	WO 99/24404	20/05/99	WIPO				
	WO 99/32448	01/07/99	WIPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Azizeh et al., "[des His ¹ , des Phe ⁶ , Glu ³]Glucagon Amide: A newly
		Designed "Pure" Glucagon Antagonist", Bioorganic & Med.Chem.Ltr,
		Vol. 5, No. 16 pages. 1849-1852 (1995)
		P. Madsen et al., "Discovery and Structure-Activity Relationship of
		The First Non-Peptide Competitive Human Glucagon Receptor Antagonists"
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